



SERVICE BULLETIN

AVOX Systems Inc., 225 Erie Street, Lancaster NY 14086-9502 USA
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LATCH CAN BREAK ON AVOX SYSTEMS P/N 36758-12 PORTABLE CYLINDER BRACKET ASSEMBLY FOR MOUNTING PORTABLE CYLINDER ASSEMBLIES (PCAs)

SUMMARY

AVOX Systems has been notified that two batches of P/N 36758-12 portable cylinder bracket assemblies (upper) contain latches that can break in service. Within these two batches there is metal in a part of the latch which is defective and if broken will no longer secure the PCA. Several latches have been found broken by OEMs during aircraft production. The faulty bracket assemblies were manufactured during January 2008 and July 2008 and were part of shipments made between February 2008 and September 2008 by AVOX Systems.

1. PLANNING INFORMATION

A. Effectivity

(1) Concerned equipment

This Service Bulletin applies to the P/N 36758-12 Portable Cylinder Bracket Assembly that is intended to secure Portable Cylinder Assemblies in a stowed position on aircraft.

(2) Aircraft

Table 1 lists the manufacturers of aircraft on which the P/N 36758-12 Bracket Assemblies can be installed.

Table 1
Affected Aircraft Manufacturers

Bombardier Aerospace	Embraer
Airbus Industries	The New Piper Aircraft, Inc
Cessna Aircraft Co.	Saab Aircraft AB
Dassault Aviation	

(3) This Service Bulletin also applies to all units held in stores.

B. Concurrent Requirements

Not Applicable.

C. Reason

(1) To eliminate the potential for damage or injury due to a broken latch and an unsecured PCA. An unsecured PCA can cause injury to persons or damage to equipment.

D. Description

Affected brackets must be identified and removed from service.



E. Compliance

Accomplish at the next maintenance opportunity.

F. Approval

The technical content of this Service Bulletin has been reviewed and approved by the FAA.

This SB does not contain any change information that revises the equipment approved design standard.

G. Manpower

(1) One Technician

(2) Estimated time: 10 minutes.

H. Weight and Balance

Not changed.

J. Electrical Load Data

Not changed.

K. References

N/A

L. Publication Affected

N/A

M. Interchangeability

Not affected.

2. MATERIAL INFORMATION

A. Material – Price and Availability

See Table 2

B. Industry Support Information

Materials will be provided free of charge.

C. Material necessary for Each Affected Unit

Table 2 lists the parts necessary to accomplish this SB.

Table 2
Required Parts

Affected P/N	Affected Lot No.	Keyword	Replacement P/N	Replacement Lot	Unit Price	Qty	Availability
36758-12	33155	Bracket	36758-12	Not 33155 or 35916	FOC	1	60 days
36758-12	35916	Bracket	36758-12	Not 33155 or 35916	FOC	1	60 days



(1) Material to be Purchased

N/A

(2) Material supplied by operator:

N/A

D. Material Necessary for Each Spare

Same as C. above.

E. Re-identified Parts

Not applicable.

F. Tooling – Price and Availability

N/A

3. ACCOMPLISHMENT INSTRUCTIONS

WARNING: CONTAMINATION OF OXYGEN EQUIPMENT BY FAILING TO HANDLE OXYGEN EQUIPMENT IN AN AREA CLEAN OF OIL, GREASE, FLAMMABLE SOLVENTS, OR OTHER COMBUSTIBLE MATERIALS INCLUDING DUST, LINT, AND FINE METAL PARTICLES; CONTAMINATION FROM FAILING TO USE CLEAN HANDS, GLOVES, TOOLS; OR CONTAMINATION BY ANY OTHER MEANS, WHEN HANDLING OXYGEN EQUIPMENT, MAY RESULT IN FIRE OR EXPLOSION THAT MAY CAUSE SERIOUS PERSONAL INJURY OR DEATH.

A. If oxygen equipment becomes contaminated with oil, grease, flammable solvents, or other combustible materials, fire and explosion may occur. Also, many substances and materials that do not normally burn in air, including dust, lint, and fine metal particles can ignite in the presence of oxygen. Handle oxygen equipment only in a clean area and with clean hands, gloves, and tools.

WARNING: FAILURE TO USE EYE PROTECTION AT ALL TIMES DURING SERVICE OR OVERHAUL PROCEDURES DESCRIBED IN THIS MANUAL MAY CAUSE INJURY TO THE EYES.

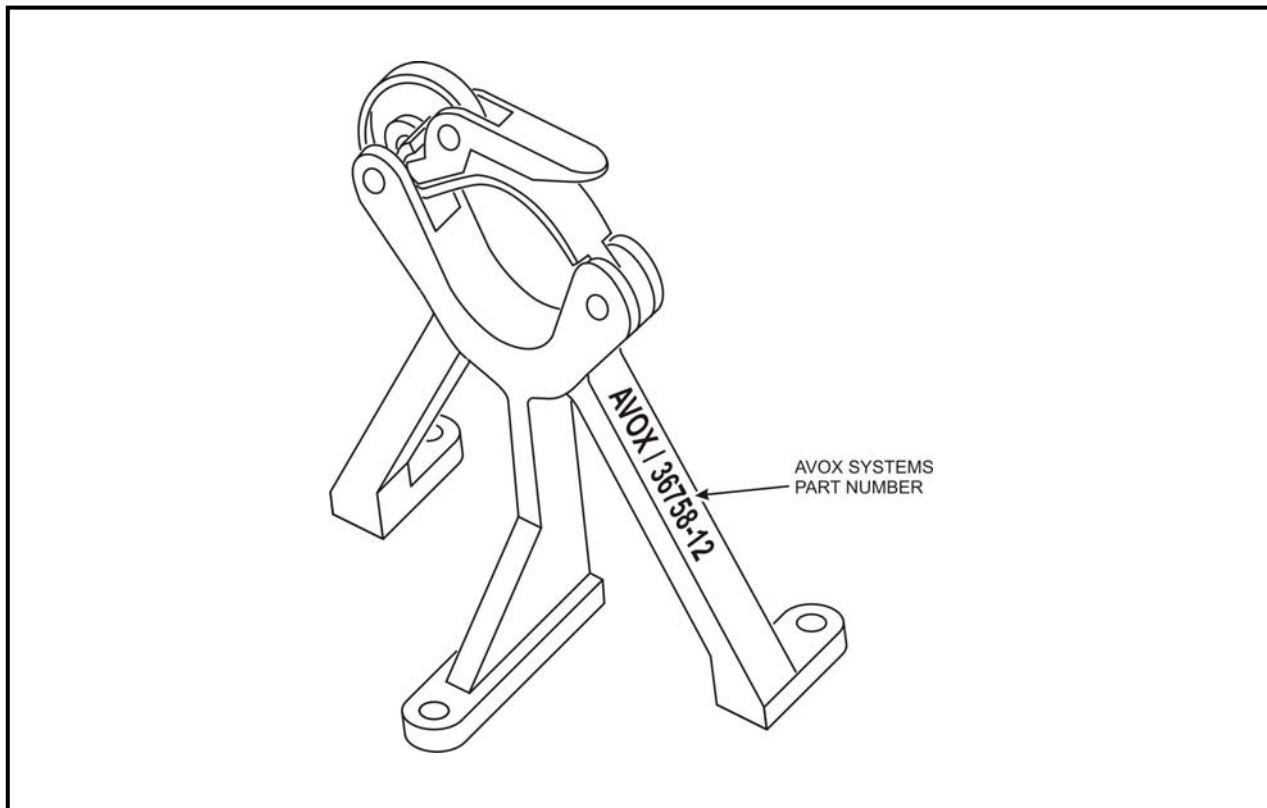
B. Use eye protection at all times during all service or overhaul procedures.

C. Inspect all brackets on board all aircraft and in stores to determine if any brackets are affected. The P/N to look for is "AVOX / 36758-12" on an outside leg of the bracket as shown in Figure 1.

NOTE: Brackets with the marking "SCOTT / 36758-12" are exempt from this SB.

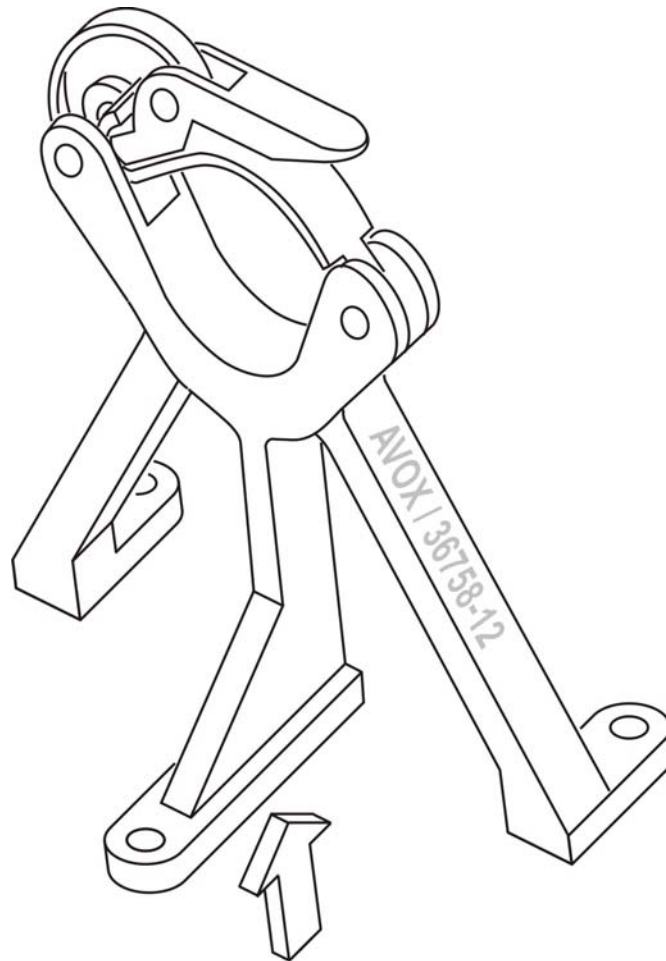
NOTE: Brackets received from AVOX Systems before 2008 are exempt from this SB.

NOTE: Brackets that look similar to the bracket in Figure 1 but that do not have the "AVOX / 36758-12" mark are exempt from this SB.



AVOX Systems P/N 36758-12 Bracket Assembly
Figure 1

- D. All brackets with “AVOX / P/N 36758-12” on the attaching leg must be removed, if installed on an aircraft, in accordance with the Aircraft Maintenance Manual (AMM) and the lot number must be determined by inspecting the bottom of the center leg as shown in Figure 2.
- E. Remove from service all brackets with the Lot Number 33155 or Lot Number 35916 on the bottom of the middle mounting leg and return to AVOX Systems (see 4. Appendix for contact information). Otherwise reinstall unaffected brackets in accordance with the AMM or return to stores as appropriate.
- F. Where required, replacement brackets will be provided by AVOX Systems Free of Charge (FOC). Please complete the form on page 7 and submit it with the faulty bracket(s) to the address on the form.



XXXXXX XXX XX XXXXXXXXXXX XXX X
XXXX XXXXXXXXXXX XXX XX **LOT #33155**
1/08 XXXXXXX XXXXXXX XXXXXXX XXXX
XXXX XXXXXXX XXXXXXX XXXXXXX XXXX

OR

XXXXXX XXX XX XXXXXXXXXXX XXX X
XXXX XXXXXXXXXXX XXX XX **LOT #35916**
7/08 XXXXXXX XXXXXXX XXXXXXX XXXX
XXXX XXXXXXX XXXXXXX XXXXXXX XXXX

Location of Lot Number on Bottom of Middle Mounting Leg
Figure 2



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4. APPENDIX

Contact Information:

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Fax: 1 818 435 0960

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Abu Dhabi International Airport
Cargo Village Area
PO Box 106675
ABU DHABI-UNITED ARAB EMIRATES
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AOG: 971 5064 20034
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O New Territories
Hong Kong
China
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Fax: (852) 2260 4052



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Material Order Form
(You May Copy This Page as Needed)

Your Company Name:	
Contact Name:	
Complete Shipping Address:	
(Please do not use PO Boxes)	
Country:	
Telephone Number:	
Fax Number:	
E-mail Address:	
Aircraft Type/Model:	
P/N: 36758-12	
Lot Number 33155 Quantity:	
Lot Number 35916 Quantity:	

Please Print or Type

Return affected bracket(s) with this completed form to:

**AVOX Systems Inc.
ATTN: Steven Mayer
225 Erie Street
Lancaster, NY 14086-9502
USA**